SHITOV, V.V., inzh.

Study of the properties of high and low-pressure polyethylene mixtures. Elektrotekhnika 34 no.12:13-15 D 63. (MIRA 17:1)

Causes of the deformation of the internal conductor of a cable with solid polyethylene insulation. Elektrotekhnika 35 no.10:

WHERA 17:11)

CHIRKOV, V.P.; SHITOV, Ye.V. [deceased]

Method of visible recording with a magnetoelectric oscillograph.
Priborostroenic no.6:9-10 Je '64.

(MIRA 18:3)

SHITOV, E.L., BELOUSOV, A.S., POPOVA, V.M., SEMASHKO, N.G., TAMM, Ye.I. VEKSLER, VII., YAGUDINA, F.R.

"Photoproduction of Pions Complex Nuclei," paper presented at CERN Symposium, 1956, appearing in Nuclear Instruments, No. 1, pp. 21-30, 1957

"Photoproduction of N-Mesons on Compound Nuclei, Belousov, Ye. I. Tamm, and Ye. V. Shitov, Doklady Akademii Nauk SSSR, Vol 112, No 6, Feb 57, pp 1017-1019

The production of N°-mesons on nuclei under the influence of gamma frays was studied to determine whether no-mesons are produced throughout the nucleus or only on the surface.

The dependence of π -meson emission on the atomic number of various bombarded nuclei was measured. The experiment was carried out on the synchrotron of the Physics Institute of the Academy of Sciences USSR. Synchrotron of the A2/3 law and independence of gamma ray energy Close adherence to the A2/3 law and independence of gamma ray energy was noted in the cross section-atomic number curve.

The conclusion is drawn that mesons are formed only on the surface of nuclei.

Sum 1 1451

Iokhel'son, S. V. and Shitov, Ye. V. AUTHORS:

Radiometric Analysis of Rocks Using Their Gamma-Spectra TITLE:

(Radiometricheskiy analiz gornykh porod po spektru

gamma-izlucheniya)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Seriya Geofizicheskaya,

1959, Nr 1, pp 96-104 + 1 plate (USSR)

ABSTRACT: The paper describes a method of quantitative radiometric

analysis of rocks and ores using their gamma-spectra. The spectra were examined by means of a"multi-channel" differential gamma-spectrometer described in the present

paper. Some results on the analysis of rocks for uranium, radium and thorium are given. The gamma-spectra of samples were obtained using the differential spectrometer with a cathode-ray oscillograph. The spectrometer consisted of a receiver, an analysing

circuit, a counting circuit and a photographic recorder. A NaI(T1) crystal was used as the receiver of gamma-rays.

It was mounted on a photo-multiplier FEU-29. Pulses from the photo-multiplier were amplified and fed to a differential amplitude analyser. The circuit of the

Card 1/6 analyser and the various time intervals involved are

Radiometric Analysis of Rocks Using Their Gamma-Spectra

shown in Fig.1 in schematic form. Full details of the analyser circuit are shown in Fig. 2. A voltage pulse from the amplifier is transformed into a \(\int_{\text{-shaped}}\) pulse of 60 usec duration. This transformed pulse is fed to one of the horizontal plates of the cathode-ray oscillograph. The other horizontal plate receives an inverted 7-shaped pulse from a phase invertor. Simultaneously the vertical plates are subjected to an exponential scanning voltage and the modulator grid of the oscillograph received a square pulse. The last two pulses are of 40 µsec duration and are delayed with respect to the input pulse by about 10 µsec. of all these pulses is determined by three flip-flop oscillators connected in series. In this way each pulse coming from the amplifier is transformed into a line on the screen of the cathode-ray oscillograph. Displacement of this line along the horizontal is proportional to the amplitude of the input pulse and its height is determined by the scan amplitude. The c.r.o. screen is photographed on a film. The density of blackening of the film is

Card 2/6 determined by the number of recorded pulses.

Radiometric Analysis of Rocks Using Their Gamma-Spectra

photographic records so obtained (Fig. 3) give the gamma-ray spectra after appropriate analysis with a Calibration of the spectrometer with microphotometer. isotopes emitting gamma-rays of various energies show that the instrument is linear at energies from 0.06 to 2.6 MeV. The resolving power of the spectrometer was not less than 15-14% for gamma-rays from Cs¹³⁷. The energy positions of gamma-ray maxima of UX₁₂ RaC. ThB and Th (C" + D) were stable within 5-7% in 1 1/2 to 2 hrs. The analyser described is equivalent in its resolution to that of a 100-channel differential analyser based on dicrete counting. The analyser described makes it possible to measure simultaneously the gamma-spectrum throughout the whole energy interval and this shortens considerably the time required for measurements and avoids errors due to drift in amplification by photomultipliers and in the electronic part in general. low threshold of sensitivity (0.03 MeV) of the spectrometer described enabled the authors to measure and resolve the lines at 0.064 and 0.093 MeV of UX_1 . gamma-rays pass through rocks their original spectrum is altered by absorption and scattering.

Card 3/6

Radiometric Analysis of Rocks Using Their Gamma-Spectra

recorded spectrum depends on the primary emission, on the composition and density of the rock, geometry of the experiment and the spectral characteristics of the receiver used. In simultaneous recording of radiation of several radio-active elements, the amplitude (counting rate) for any photo-peak is determined by the total intensity of the primary radiation (E₀) of the particular element and the scattered radiation of all the other elements present. The following lines were used for identification of U. Ra and Th: E₁ = 0.093 MeV (UX₁), E₂ = 0.350 MeV (RaB); E₃ = 0.238 MeV (ThB). These lines are shown with the rest of the Samma-ray spectra of several samples in Figs. (5) and (6). Concentrations of uranium, radium and thorium were determined from a system of linear equations:

$$g_{U} = a_{11}\alpha_{U} + a_{12}\alpha_{Ra} + a_{13}\alpha_{Th},
g_{Ra} = a_{21}\alpha_{U} + a_{22}\alpha_{Ra} + a_{23}\alpha_{Th},
g_{Th} = a_{51}\alpha_{U} = a_{52}\alpha_{Ra} + a_{53}\alpha_{Th}$$
(4)

Card 4/6

Radiometric Analysis of Rocks Using Their Gamma-Spectra

 $\mathbf{E_{U}};~\mathbf{E_{Ra}};~\mathbf{E_{IIh}}$ are the amplitudes of photo-peaks where at energies \mathbb{E}_{1} , \mathbb{E}_{2} and \mathbb{E}_{3} expressed in terms of a standard containing unit concentrations of all the three are concentrations of uranium, elements; α_{II} , α_{Ra} , α_{Th} radium and thorium in a sample; a₁₁, a₁₂, a₁₃ proportions of gamma-rays from uranium, radium and thorium respectively recorded in the uranium photo-peak of the standard; a₂₁, a₂₂, a₂₃, a₃₁, a₃₂, a₃₃ similar proportions for the radium and thorium photo-peaks. Fig. 7 is a nomogram which can be used to speed up the concentration calculations. The results obtained by the method described, together with the results obtained by chemical and radio-chemical means, are given in Tables 1 and 2. These results are given for a total of 21 ore samples, each of which contains uranium, radium and thorium. Inspection of Tables 1 and 2 shows that the relative errors in radiometric determination of uranium, radium and thorium, using their gamma-ray spectra, do not Card 5/6 as a rule exceed 8-12% and only rarely reach 20%. The

Radiometric Analysis of Rocks Using Their Gamma-Spectra

limits of sensitivity of gamma-ray method of analysis of radio-active ores were 0.01% for U, 0.00% for Th and 2×10^{-11} g/g of ore for Ra. Acknowledgments are made to I. M. Nazarov for his advice. There are 7 figures, 2 tables and 6 references, 2 of which are Soviet, 2 English, 1 German and one translation from English into Russian.

ASSOCIATION: Akademiya nauk SSSR Institut prikladnoy geofiziki (Ac.Sc., USSR, Applied Geophysics Institute)

SUBMITTED: December 3, 1957

Card 6/6

SHITOV, Ye, Ye,

Potentiation of magnesan effect with aminazine and diphenylacetic and derivatives. Farm. i toks. 27 no.30272-274 My-Je 164. (MIRA 18:4)

1. Katedra farmakologii (zav. - prof. A.A.Gavrilyuk) L'vovskoge meditsinskoge instituta.

SHITOV, Ye. Ya.

Effect of magnesium sulfate in combination with tranquilizers on the bicelectric and cholinesterase activity of the brain. Farm. 1 toks. 28 no.1:13-17 Ja-F '65. (MIRA 18:12)

l. Kafedra farmakologii (zav. - prof. A.A.Gavrilyuk) Livovskogo meditsinskogo instituta. Submitted November 21, 1963.

36935 s/081/62/000/007/029/033 B168/3101

15.8610 5.3830

Vinogradov, P. A., Sal'nikova, K. S., Mironov, G. S., AUTHORS:

Mironova, N. M., Shitova, A. A.

Utilization of the reducing properties of ammonia in the TITLE:

creation of oxidation-reduction systems for polymerization

in aqueous emulsions

Referativnyy zhurnal. Khimiya, no. 7, 1962, 626, abstract PERIODICAL:

7P117 (Uch. zap. Yaroslavsk. tekhnol. in-ta, v. 6, 1961,

83-90)

TEXT: A new oxidation-reduction (redox) system for initiating the process of polymerization at low temperatures; is based on the use of hydroperoxide of isopropylbenzene, ammonia, glucose and sodium pyrophosphate. Study of the influence of the individual components of the redox system on the rate of polymerization revealed that an increase in the quantity of each of the components was regularly accompanied by a rise in the polymerization rate, which reached its maximum under specific conditions. The influence of the pH of the medium on the rate of polymerization in the presence of ammonia Card 1/2

Utilization of the reducing ...

S/081/62/000/007/029/033 B168/B101

was also studied and it was shown that the activating effect of ammonia depended on the pH-value. When the influence of FeSO₄ was being determined it was found that the presence of this substance reduced the rate of polymerization. The proposed redox system is effective even in the absence of salts of fatty acids. A comparison of the copolymerization kinetics of divinyl (I) with styrene (II) in the presence of an ammoniasugar, iron-sugar or hydroquinone-sulfite redox system showed that these substances were practically equivalent as far as their activating influence was concerned. A formula for the polymerization of mixtures I and II (parts by weight) was worked out on the basis of the new redox system: I 70, II 30, H₂O 200, Nekal BXG 3, NH₃ O.06, glucose 1.0, sodium pyrophosphate 0.06, isopropylbenzene hydroperoxide (containing 86% hydroperoxide) 0.3, di-isopropylxanthogene disulfide 0.1. Reaction time of polymerization at +5°C 20 hrs. Abstracter's note: Complete translation.

Card 2/2

s/190/62/004/001/015/020 B110/B101

Vinogradov, P. A. Odintsova, P. P. (Deceased), Shitova, A. AUTHORS.

A .-

Effect of the nature of emulsifiers upon the polymerization TITLE.

rate of styrene and the decomposition of peroxides

Vysokomolekulyarnyye soyedineniya, v. 4. no. 1, 1962, 98 -PERIODICAL-

TEXT: The effect of the bases used for saponification of fatty acids upon the colloidal solubility of styrene (A) in soap solution, and the effect of commercial emulsifiers upon the polymerization rate of styrens and the decomposition of some peroxide initiators are discussed. Colloida. solubility (CS) in emulsifier solutions was refractometrically determined at 20°C according to A. I. Yurzhenko (Ref. 1: Zh. obshch. khimii. 16. 117 1946). The following emulsifiers were used: (1) Potassium oleate of oleas and 0.16 g-equivalent/liter K₂CO₅. (2) potassium oleate of claic acid with KOH. (3) ammonium cleate (0.02 g-equivalent/liter of free NH3) (4) Nekal with 99% sodium dibutyl naphthalene sulfonate and Card 坊

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Effect of the nature of ...

0.005 g equivalent/liter of free KOH. (5) rosin soap obtained from hydrogenated colophony and 0.004 g-equivalent/liter of KOH. The pH value was adjusted to '0 = 11 by means of free alkali. Maximum increase of CS with the emalsifier concentration was found for 1 and 3. CS of A in 5% K cleate obtained from KOH is 2.5%, that in K cleate obtained from K₂CO₂ is 12.3%. CS of A does not affect the polymerization rate. Contrary to a crossmant by A, L. Yurzhenko (Ref. '), pH does not affect CS of A. The ecomposition rate of isopropyl benzene hydroperoxide (B), benzoyl particular (C), and potassium persulfate (D) was indometrically investigated at 70°C in a water mylone emulsion under exclusion of air. A regular dispondence of the stability of peroxides on the nature of emulsifiers toold. It is found. B had maximum stability followed by D and C. For ', I and 4, no discomposition of B was found. The effect of emulsifiers upon the colymerization rate was studied in an N₂ medium at 60°C in the presence of 0.2 parts by weight (of styrale) of B or equimolecular quantities of other lastification, and 5% aqueous emulsifier solution at pH = '0 . The research 4 Bybook 1:2 3 (with respect to weight). The polymerization rate

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Effect of the nature of ...

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was found to be independent of the nature of emulsifier and the CS of the monomer. Since no decomposition of B in potassium oleate and Nekal at normal polymerization rate was found, polymerization is probably caused by few free radicals not determinable by analysis. There are 4 figures, 4 tables, and 6 references: 5 Soviet and 1 non-Soviet. The reference to English-language publications reads as follows: W. Harkins, J. Amer. Chem. Soc., 59, 1428, 1947; J. Polymer Sci., 5, 217, 1950.

SUBMITTED: February 3, 1961

Card 3/3

BROUN, M.Ya., kand. tekhn. nauk; SHITOVA, A.Ye., inzh.

Contactless electric moisture meters. Der. prom. 8 no.2:9-10
F '59.

1. L'vovskiy lesotekhnicheskiy institut.
(Moisture--Measurement)

SHITOVA, A.Ye.; KARDOPOL'ITSEVA, A.A.

Intensification of systems for drying beech boards. Der.prom. 9
no.7:9 Jl '60.

(MIRA 13:7)

(Lumber--Drying)

Drying of beech wood. Bum.i der.prom. no.1:45-47 Ja-Mr 162.

Drying of beech wood. Bum.i der.prom. no.114,547 32-41 (MIRA 15:5)

1. L'vovskiy lesotekhnicheskiy institut (for Shitova).
2. Chinadiyevskiy domostroitel nyy fanernyy kombinat (for Skripinets).

(Beech---Drying)

SHITOVA, A.Ye.

Effect of temperature increase in the drying of birch wood on its physicomechanical properties. Der.prom. 11 no.4:13-14 (MRA 15:4) Ap *62.

1. L*vovskiy lesotekhnicheskiy institut. (Birch—Drying)

OKSANICH, E.Ya.; SHITOVA, A.Ye.

Efficiency of forced drying systems in the enterprises under Stanislav Economic Council. Bum.i der.prom. no.4:41-44 O-D '62. (MIRA 15:12)

1. L'vovskiy lesotekhnicheskiy institut.
(Stanislav Economic Region--Lumber--Drying)

SHITOVA, A.Ye.

Forced process of drying in lumber kilns of sontimuous operation . Bum. i der. prom. no.1:47-49 Ja-Mr '63. (MIRA 16:7)

l. Livovskiy lesotekhnicheskiy institut. (Lumber-Drying)

SHITOVA, A.Ye.

Problems in the aerodynamics of ejector-type drying chambers, hum.
i der. prom. no.3:28-31 J1-S '63. (MIRA 17:2)

1. L'vovskiy lesotekhnicheskiy institut.

CHITOVA, A.Ye., FORDY, N.V., red.

[indeceifying the propesses of drying beech timber for formiture manufacture] Intensifikatsiia protsessov sushki bukwaykh zagotovok diia mebel'nogo proizvodstva. Moskva, TSentr. nautimocissl. in-t informatsii i tekhniko-ekon. iseledovanii p. lesnoi, tselliulozno-bumazhnoi, derevo-obrabatyvaiosnohei promyshl. i lesnomi kncz., 1964. 17 p. (MIRA 18:4)

SHITOVA, A.Ie.

Forcing the process of drying parquet rough stock. Bum. i der. prom.

(MIRA 18:10)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549620005-9"

SHITOVA, L.A.

Map compilation of the quality of coals according to the degree of their metamorphism and petrographic composition. Mat. Tem. kom. no.1:89-91 '61. (MIRA 17:2)

1. Zapadno-Sibirskoye geologicheskoye upravleniye.

SIMONOV, M.Z., doktor tekhn. nauk, prof., red.; BUZHEVICH, G.A., kand. tekhn. nauk, red.; SHITOVA, L.N., red.

[Instructions for manufacturing elements from lightweight concrete using natural porous aggregates] Instruktsiia po izgotovleniiu izdelii iz legkikh betonov na estestvennykh poristykh zapolniteliakh. Moskva, Gosstroiizdat, 1963.

(MIRA 16:10)

1. Armenian S.S.R. Gosudarstvennyy komitet po delam stroitelistva.

(Aggregates (Building materials))

DVORIN, Roman Semenovich; GUREVICH, M.S., nauchn. red.;
SHITOVA, L.N., red.

[Planning of assembling and special construction operations] Planirovanie montazhnykh i spetsial'nykh stroitel'nykh rabot. Moskva, Stroiizdat, 1964. 120 p.

(MIRA 17:5)

SHITOVA, M. N., Cand Med Sci -- "Immediate and remote results of the direct removable dental prosthesis. (Clinical morphological study)." Kazan', 1961. (Min of Health ESFSR. Kazan'State Med Inst) (KL, 8-61, 266)

- 546 -

67761

18.7500

SOV/126-8-5-14/29

AUTHORS:

Zelinskiy, M.S., Noskov, B.M., Pavlov, P.V., and Shitova, E.V.

TITLE:

Influence of Vanadium Additions on the Self-Diffusion

of Iron

PERIODICAL: Fizika metallov i metallovedeniye, 1959, Vol 8, Nr 5,

pp 725-730 (USSR)

ABSTRACT: In contrast to the effect of many other transition elements, vanadium has been found to give a weaker atomic bonding than occurs in pure iron (Refs 6, 7). Since for other metals results of diffusion and X-ray investigations agree, the authors decided to study the nivestigations agree, the authors decided to study the self-diffusion of iron with respect to vanadium content. Although this had already been studied, work by Sanadze and Tsivtsivadze (Ref 8) has thrown doubt on some previous results (Refs 4, 5, 9). The present authors used three Fe-V (0.48, 1.01 and 2.04% V) and two Fe-V-C (0.096, 2.46% V and 0.820, 0.25% C, respectively) allows (compositions shown in Table 1).

alloys (compositions shown in Table 1).

Card 1/3

5 x 8 x 25 mm plane parallel specimens were subjected to homogenizing annealing at 1100 °C for 20 hours. thickness of about 0.005 mm of radioactive Fe59 was

electrodeposited on one face. Pairs of specimens with

67761 SOV/126-8-5-14/29

Influence of Vanadium Additions on the Self-Diffusion of Iron

their active faces in contact were subjected to isothermal diffusion annealing for 4-200 hours in a quartz tube evacuated to 10-3 mm Hg. Temperature (900-1300 and 1100-1340 for the Fe-V and Fe-V-C alloys, respectively) was controlled to ± 5 °C. After annealing specimens were rapidly quenched and the self-diffusion coefficients determined by removing layers and measuring the integral residual gamma-activity of the remainder of the specimen (Ref 10), with precautions to avoid end effects. Two to four independent determinations were made at each temperature. break at 1100 °C on the curve of log D vs inverse of absolute temperature it was deduced that below this temperature inter-crystallite diffusion plays a big part. Results above 1100 °C referred to uniform diffusion and were used in calculating the coefficients: these and other diffusion parameters are shown in Table 2. Table 3 the corresponding data for inter-crystallite diffusion calculated by Fisher's formula (Ref 11) are given for the Fe-V alloys. The linear relation between the logarithm of the uniform diffusion coefficient and

Card 2/3

GREBENSHCHIKOV, R.G.; TOROPOV, N.A.; SHITOVA, V.I.

Crystal phases of the system barium oxide - germanium dioxide. Dokl. AN SSSR 153 no.4:842-844 D '63. (MIRA 17:1)

1. Institut khimii silikatov im. I.V. Grebenshchikova AN SSSR. 2. Chlen-korrespondent AN SSSR (for Toropov).

THOR: Grebenshchikov, R. G.; Toropov, N. A.; Shitova, V. I. THE: Solid solutions in the barium silicate - barium germanate system OURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 1, no. 1, 1965, 121- OPIC TAGS: silicate, germanate, barium silicate, solid solution, barium germa- ate, phase diagram, xray diffraction, molecular refraction ABSTRACT: The formation of solid solutions in the system barium silicate - bar- lum germanate and the physical parameters of this system were determined experi- lum germanate and the physical parameters of this system, which is used in pre- mentally in order to clarify the properties of this system, which is used in pre- mentally in order to clarify the properties of this system was studied over the ing thermocathodes and luminiscent compounds. The system was studied over the ing thermocathodes and luminiscent compounds. The system was studied over the full range of compositions by X-ray diffraction, thermal analysis and determina- full range of compositions by X-ray diffraction, thermal analysis and determina- full range of compositions by X-ray diffraction, thermal analysis and determina- full range of compositions by X-ray diffraction, thermal analysis and determina- full range of compositions by X-ray diffraction, thermal analysis and determina- full range of compositions by X-ray diffraction, thermal analysis and determina- full range of compositions by X-ray diffraction, thermal points of pure barium the interval 1850-2220C, 2050 and 1830C being the melting points of pure barium silicate and germanate, respectively. Solid solutions of similar structures were	19 17 17 18 日本市场区区域的《图图图图图图图图图图图》。	s par singger a trappaga parameter a ser a consistence of the constraint of the cons	- B
S/0363/65/001/001/012170123 THOR: Grebenshchikov, R. G.; Toropov, N. A.; Shitova, V. T. TTLE: Solid solutions in the barium silicate - barium germanate system OURGE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 1, no. 1, 1965, 121- OPIC TAGS: silicate, germanate, barium silicate, solid solution, barium germa- ate, phase diagram, xray diffraction, molecular refraction ABSTRACT: The formation of solid solutions in the system barium silicate - bar- fum germanate and the physical parameters of this system, which is used in pre- fum germanate and the physical parameters of this system, which is used in pre- fum germanate and the physical parameters of this system was studied over the function of reference thodes and luminiscent compounds. The system was studied over the full range of compositions by X-ray diffraction, thermal analysis and determina- full range of compositions by X-ray diffraction, thermal analysis and determina- tion of molecular refraction, refractive index and density. All systems melted in tion of molecular refraction, refractive index and density. All systems melted in the interval 1850-2220C, 2050 and 1830C being the melting points of pure barium silicate and germanate, respectively. Solid solutions of similar structures were	(S) (S) (S) (S) =2/EWT	(m)/EPF(n)-2/EPA(w)-2/EWP(t)/EWP(b) -Pab-10/Pt-	10/
OURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 1, no. 1, 1965, 121- 25 OPIC TAGS: silicate, germanate, barium silicate, solid solution, barium germa- ate, phase diagram, xray diffraction, molecular refraction ABSTRACT: The formation of solid solutions in the system barium silicate - bar- atementally in order to clarify the properties of this system, which is used in pre- mentally in order to clarify the properties of this system, which is used in pre- paring fire-resistant materials, ceramics, in the cement industry and for produc- ing thermocathodes and luminiscent compounds. The system was studied over the ing thermocathodes and luminiscent compounds. The system was studied over the ing thermocathodes are fraction, refractive index and density. All systems melted in tion of molecular refraction, refractive index and density. All systems melted in the interval 1850-2220C, 2050 and 1830C being the melting points of pure barium silicate and germanate, respectively. Solid solutions of similar structures were	CORSTON NR: AP5007618	s/0363/65/001/001/0121/0123	1 1 1
OURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 1, no. 1, 1965, 121-25 OPIC TAGS: silicate, germanate, barium silicate, solid solution, barium germa-ate, phase diagram, xray diffraction, molecular refraction ABSTRACT: The formation of solid solutions in the system barium silicate - barium germanate and the physical parameters of this system were determined experimentally in order to clarify the properties of this system, which is used in preparing fire-resistant materials, ceramics, in the cement industry and for producting thermocathodes and luminiscent compounds. The system was studied over the ing thermocathodes and luminiscent compounds. The system was studied over the ing thermocathodes and refraction, refractive index and density. All systems melted in tion of molecular refraction, refractive index and density. All systems melted in the interval 1850-2220C, 2050 and 1830C being the melting points of pure barium the interval germanate, respectively. Solid solutions of similar structures were silicate and germanate, respectively. Solid solutions of similar structures	gashanshshikov. R. G.;	Toropov, N. A.; Shitova, v. 1.	
OPIC TAGS: silicate, germanate, barium silicate, solid solution, barium germanate, phase diagram, xray diffraction, molecular refraction ABSTRACT: The formation of solid solutions in the system barium silicate - barium germanate and the physical parameters of this system were determined experimentally in order to clarify the properties of this system, which is used in prementally in order to clarify the properties of this system, which is used in prementally in order to clarify the properties of this system, which is used in prementally in order to clarify the properties of this system, which is used in prementally in order to clarify the properties of this system was studied over the paring fire-resistant materials, ceramics, in the cement industry and for producting thermocathodes and luminiscent compounds. The system was studied over the ing thermocathodes and luminiscent compounds. The system was studied over the ing thermocathodes and luminiscent compounds. All systems melted in tion of molecular refraction, refractive index and density. All systems melted in tion of molecular refraction, refractive index and density. All systems melted in the interval 1850-2220C, 2050 and 1830C being the melting points of pure barium the interval 1850-2220C, respectively. Solid solutions of similar structures were silicate and germanate, respectively.		barium gilicate - barium germanace ajour	121-
OPIC TAGS: silicate, germanate, barium silicate, solid solution, barium germanate, phase diagram, xray diffraction, molecular refraction ABSTRACT: The formation of solid solutions in the system barium silicate - barium germanate and the physical parameters of this system were determined experimentally in order to clarify the properties of this system, which is used in prementally in order to clarify the properties of this system, which is used in prementally in order to clarify the properties of this system, which is used in prementally in order to clarify the properties of this system, which is used in prementally in order to clarify the properties of this system was studied over the paring fire-resistant materials, ceramics, in the cement industry and for producting thermocathodes and luminiscent compounds. The system was studied over the ingentional throughout the system melted in full range of compositions by X-ray diffraction, thermal analysis and determination of molecular refraction, refractive index and density. All systems melted in the interval 1850-2220C, 2050 and 1830C being the melting points of pure barium the interval 1850-2220C, 2050 and 1830C being the melting points of similar structures were silicate and germanate, respectively. Solid solutions of similar structures were	OURCE: AN SSSR. Izvestiya.	Neorganicheskiye materialy, v. 1, no. 1, 1903,	
ABSTRACT: The formation of solid solutions in the system barium silicate - bar- lum germanate and the physical parameters of this system, which is used in pre- mentally in order to clarify the properties of this system, which is used in pre- mentally in order to clarify the properties of this system, which is used in pre- mentally in order to clarify the properties of this system, which is used in pre- mentally in order to clarify the properties of this system, which is used in pre- mentally in order to clarify the properties of this system, which is used in pre- mentally in order to clarify the properties of this system, which is used in pre- mentally in order to clarify the properties of this system, which is used in pre- mentally in order to clarify the properties of this system, which is used in pre- mentally in order to clarify the properties of this system, which is used in pre- mentally in order to clarify the properties of this system, which is used in pre- mentally in order to clarify the properties of this system, which is used in pre- mentally in order to clarify the properties of this system, which is used in pre- mentally in order to clarify the properties of this system, which is used in pre- mentally in order to clarify the properties of this system, which is used in pre- mentally in order to clarify the properties of this system, which is used in pre- mentally in order to clarify the properties of this system, which is used in pre- mentally in order to clarify the properties of this system, which is used in pre- mentally in order to clarify the properties of this system, which is used in pre- mentally in order to clarify the properties of this system, which is used in pre- mentally in order to clarify the properties of this system, which is used in pre- mentally in order to clarify the properties of this system, which is used in pre- mentally in order to clarify the properties of this system, which is used in pre- mentally in order to clarify the properties of this system, which is used in pre-	OPIC TAGS: silicate, germana	te, barium silicate, solid solution, barium germ	1a-
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ACCESSION NR: AP5007618

shown to be formed, with a region of immiscibility at 50-60 mole% Ba₂GeO₄, shown particularly by the discontinuity of molecular refraction. A maximum in the thermogram of the Liquidus at 2200C corresponded to the solid solution with 95 mole% Ba₂SiO₄, and a peritectic was measured at 1970C (see Fig.1 of the Enclosure). Orig. art. has: 3 figures and 2 tables.

ASSOCIATION: Institut khimii silikatov im. I. V. Grebenshchikova AN SSSR (Silicate chemistry institute, AN SSSR)

SUBMITTED: 10Apr64

ENCL: 01

SUB CODE: IC, MI

NO REF SOV: 009

OTHER: 005

Card 2/3

ACCESSION NR: AP5022265	WA(c) IJP(c) JD/JG UR/0363/65/001/007/1130/1142 /// 546.431+546.289	
AUTHOR: Grebenshchikov, R. G.; Tor	opov, N. A.; Shitova, V. I.	
TITLE: Some aspects of the analogy and titanates, silicates, and fluob germanium dioxide	between the crystal chemistry of germanates eryllates, and the system barium oxide-	
SOURCE: AN SSSR. Izvestiya. Neorg 1130-1142	anicheskiye materialy, v. 1, no. 7, 1965,	
FOPIC TAGS: germanium compound, baseryllium compound, rubidium compound rubidium rub	rium oxide, barium compound, fluorine compound, and, lead oxide, titanium oxide, silicate,	
ABSTRACT: In a study of the phase	diagram of the system BaO-GeO2, use was made	
of thermal, x-ray diffraction, micro system is found to have six chemical 3:1, 2:1, 3:2, 1:1, 1:4, and 1:19; (oscopic, and crystal optical analyses. The compounds with BaO:GeO2 ratios equal to three of these compounds were obtained for the BaGe19039. An approximate scheme of the	

"APPROVED FOR RELEASE: 08/23/2000

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L 1456-66

ACCESSION NR: AP5022265

γ 160° C γ 470° C β 685° C β 755° O 755° C κ 1465° O α 1725° C κκλ

The interplanar distances and refractive indexes of all the germanates studied and their polymorphous modifications are tabulated. A discussion of the crystal chemical analogy of barium germanates with fluoberyllates, silicates, titanosilicates, and titanates is given in which the systems RbF-BeF2, PbO-SiO2, PbO-GeO2, BaO-SiO2, BaO-GeO2, and BaO-TiO2 are compared. Orig. art. has: 6 figures and 5 tables.

ASSOCIATION: Institut khimii silikatov im. I. V. Grebenshchikova Akademii nauk SSSR (Institute of Silicate Chemistry, Academy of Sciences, SSSR)

SUBMITTED: 29Mar65

ENGL: 00

SUB CODE: IC, SS

NO REF SOV: 007

OTHER: 013

Card 2/2

S/196/61/000/012/026/029 E194/E155

AUTHORS: Shitova, V.M., Slepushkin, V.I., and Shal'man, Z.M.

TITLE: An investigation of automatic control systems and

sources of supply for electric-spark cutting of

metals with a disc electrode

PERIODICAL: Referativnyy zhurnal, Elektrotekhnika i energetika,

no.12, 1961, 41, abstract 12K 236. (In the Symposium "Problems of Electrical Machining of Materials", Machining

AS USSR, 1960, 188-214)

TEXT: A procedure is given for analysing automatic control systems for electric-spark cutting. Results of a study of the automatic control systems are used to develop a procedure for calculating controller parameters. A comparison is made between a number of supply circuits considered as components of automatic control systems. Practical recommendations are given concerning the selection of supply and controller circuits.

[Abstractor's note: Complete translation.]

Card 1/1

VOL'FSON, N.S.; SHITOVA, Ye.I.; LIVSHITS, B.L., kand. fiz.-mat. nauk, otv. red.

[Optical masers (lasers); bibliographic index of Soviet and foreign literature for the period 1958 to June 1963] Kvantovye opticheskie generatory (lazery); bibliograficheskii ukazatel' otechestvennoi i zarubezhnoi literatury s 1958 po iiun' 1963 g. Moskva, Izd-vo "Nauka," 1964. 175 p.

(MIRA 17:8)

1. Akademiya nauk SSSR. Sektor seti spetsial'nykh bibliotek.

SHITOVA, Ye.M.

Direct results and long-range consequences of forceps delivery for the child. Vop.okh.mat. i det. 4 no.2:53-57 Mr-Ap '59.

(MIRA 12:5)

1. Iz rodil'nogo doma No.7 (glavnyy vrach V.I.Kuksenkova, nauchnyy rukovoditel' - prof. G.K.Cherepakhin), g.Gor'kiy. (BIRTH INJURIES)

UNITOVA, Ye.M., kand.med.nauk; BUNDINA, M.Ya. (Gor'kiy)

Obstetrical and gynecological service and the prophylactic examination of female workers at the Gorkiy Automobile Factory. Sov.zdrav. 21 no.12:10-12 '62. (MIRA 15:12)

1. Nauchnyy rukovoditel' - zaveduyushchiy kafedroy akusherstva i ginekologii lechebnogo fakul'teta Gor'kovskogo meditsinskogo instituta imeni S.M.Kirova, zasluzhennyy deyatel' nauk RSFSR prof. G.K.Cherepakhin. 2. Zaveduyushchaya zhenskoy konsul'tatsiyey medike-sanitarnoy chasti Gor'kovskogo avtomobil'nogo zavoda (for Bundine).

(GORKIY_LABOR AND LABORING CLASSES_MEDICAL EXAMINATIONS)

SHITOUA, Z.I.

USSR/Human and Animal Physiology - Neuro-Muscular Physiology. R-11

Abs Jour : Referat Zhur - Biol., No 16, 1957, 71 285

Author :

: Shitova, Z.I.

Title

Metabolic changes in Mouse Tissue in the Combined Action

of Large Radon Doses and Steady Current (Intensity of

Oxygenation)

Orig Pub

: V sb. Vopr. radiobiologii, L. 1956, 51-58

Abstract

By irradiation with Rn of the isolated calf muscle of the frog, and by polarizing the other, their oxygen consumption was changed in the course of 5-7 hrs at temp. 20-22°C. Under the influence of cathode current in normal muscles the oxygenation rose on the average 34%, and in the irradiated (activity 0.4-0.8 m. curies)- on the average by 45%. In two days, the difference in utilization of 02 increased even more. The cathode influence on oxidation processes in the muscle was summary with the action of irradiation. Anode current of threshold strength

Card 1/2

- 64 -

USSR/Human and Animal Physiology - Neuro-Muscular Physiology.

R-11

Abs Jour

: Referat Zhur - Biol., No 16, 1957, 71085

(20-30 y a), acting for 1 hr, did not increase the breathing substantially (maximally by 18%). By applying a larger current (50-90 m a) the breathing was immediately decreased on the aver. by 18%. Under the action of anode simultaneously with irradiation the lowering of oxidation process was observed more frequently (aver. 34%).

Card 2/2

- 65 -

SHITOVA, Z 1

69

FHASE I BOOK EXPLOITATION

507/5435

Kiselev, P. N., Professor, G. A. Gusterin, and A. I. Strashinin, Eds.

Voprosy radiobiologii. t. III: Sbornik trudov, posvyashchennyy 60-letiyu so dnya rozhdeniya Professora M. N. Pobedinskogo (Problems in Radiation Biology. v. 3: A Collection of Works Dedicated to the Sixtleth Birthday of Professor M[ikhail] N[ikolayevich] Pobedinskiy [Doctor of Medicine]) Leningrad.

Tsentr. n-issl. in-t med. radiologii M-va zdravookhrananiya SSSR, 1960.
422 p. 1,500 copies printed.

Tech. Ed.: P. S. Peleshuk.

PURPOSE: This collection of articles is interded for radiobiologists.

COVERAGE: The book contains 49 articles dealing with pathogenesis, prophylaxis, and therapy of radiation diseases. Individual articles describe investigations of the biological effects of radiation carried out by workers of the Central Scientific Research Institute for Medical Radiology of the Ministry of Public Health, USSR. [Tsentral'nyy nauchno-issledovatel'skiy institut meditsinskoy radiologii Ministerstva zdravookhraneniya SSSR] during 1958-59. The following

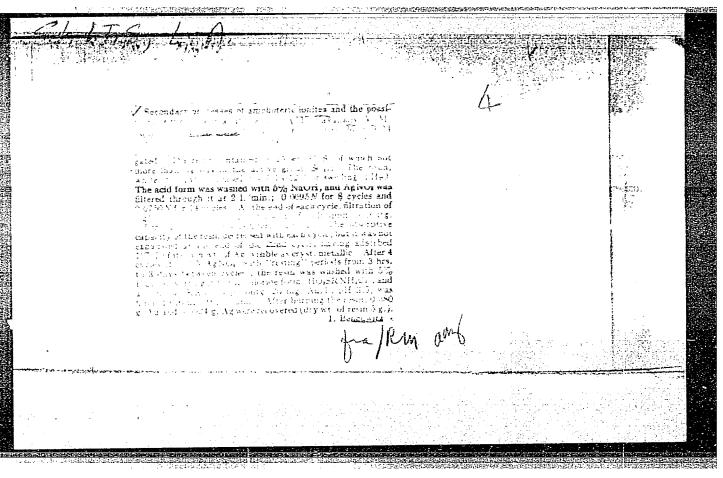
Card 1/10

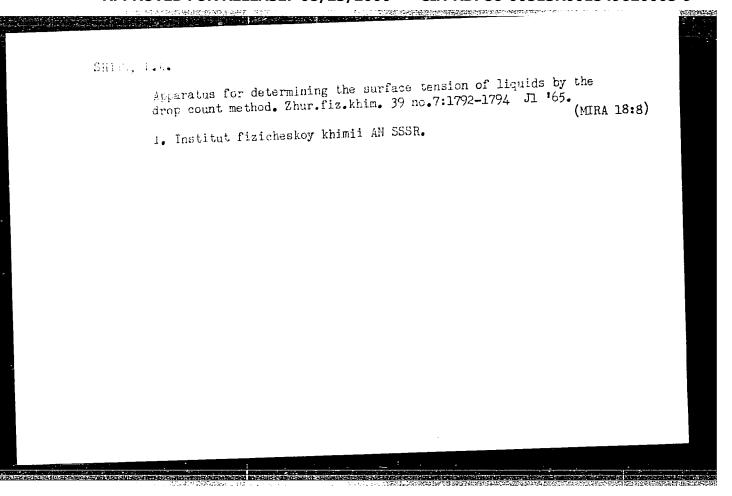
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Problems in Radiation Biology (Cont.) SCY/5435			
topics are covered: various aspects of primary effects of radiation; the course of some metabolic processes in animals subjected to ionizing radiations in irradiated organisms; morphologic changes in radiation discended reparation and regeneration of tissues injured by irradiation. Some articles give attention to the effectiveness of experimental medical treation personalities are mentioned. References accompany almost all of the	ments.		2
TARLE OF CONTENTS:		•	
Foreword	. 2		
Gusterin, G. A., and A. I. Strashinin. Professor Mikhail Nikolayevich Pobedinskiy (Commemorating his Sixtieth Birthday)	5		
Lebedinskiy, A. V. [Member, Academy of Medical Sciences USSR], K. I. Arlashchenko, and V. M. Mastryukova. On the Mechanism of Trophic Disturbances Due to Ionizing Radiation	n	i	
Zedgenidze, G. A., [Member, Academy of Medical Sciences USSR], Ye. A. Zherbin, K. V. Ivanov, and P. R. Vaynshteyn. Hormonal Activity of the		:	
Adrenal Cortex in Acute Radiation Sickness and the Effect of Desoxy- corticosterone Acetate on the Disease	17		
Card 2/10			

			7		
			'	; 1	
	. Problems in Radiation Biology (Cont.) 50V/5435				
	Cherkasov, V. F. Reactions of the Cardiovascular System and the Respiration of Irradiated Animals to Some Functional Factors	35			
	Bryukhanov, O. A. Concerning the Problem of Depressant Reactions In Radiation Sickness	կե		•	
	Lazoveknya, A. V. Effect of Strophanthin on the Heart of Irradiated Animals	50			
	Shitova, Z. I., and Ye. I. Komarov. On the Reflex Mechanism of the Change in Oxygen Absorption by Intestinal Tissue During Local Irradiation With Radioactive Strontium	55		:	
	Remizova, I. V. On Some Features of Functional Changes in the Nervous and Blood System During Repeated Small-Dose Irradiation	61			
	Traskunova, N. V. Effect of Blocking the Sympathetic Subdivision of the Vegetative Hervous System on the Development and Course of Acute Radiation Sickness	68			
	Card 3/10				l
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	Problems in Radiation Biology (Cont.) SOV/5435			
	Manaylor, S. Ye., and B. A. Orlov. Use of the Spectroscopic Research Method in the Study of the Condition of Iron-Containing Compounds in Animal Organisms Irradiated With X-Rays			
	Demain, N. H., [Professor]. On Some Metabolic Disturbances in Lindan	152		
	The to Excernal angle-rody contring Irradiation	158		
	Keylina, R. Ya. Concerning the Problem of the Condition of Processes of Synthesis and Decemposition of Carbohydrates in the Animal Organism Subjected to Whole-Body X-Ray Irradiation	165		
	Shitova, Z. I. Changes in Respiration of the Skeletal Muscles Following Irradiation by Radon of Different Segments of the Nervous System	173	# *	
•	Mytareva, L. V. Effect of Ionizing Radiation on a Ferment of Glycolysis of Phosphohexcisomerase in Some Organs and Tissues of an Animal Organism			
	Subjected to Whole-Body Irradiation	183		
	Card 5/10			
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Latvian S.S.R. Prom.koop. no.1:14 Ja '57.	(MLRA 10:4)	
l. Predsedatel' pravleniya Latpromsoveta. (LatviaCooperative societies)	,,	





SHTUKOVSKAYA, L.A.; LUKINA, M.P.; SHITS, L.A.

Hygienic evaluation of water demineralized by Russian. Gig. i san. 25 no. 12:93-95 D '60. (MIRA 14:2)

1. Iz Moskovskogo nauchno-issledovatel'skogo instituta sanitarii i gigiyeny imeni F.F. Erismana Ministerstva zdravookhraneniya RSFSR i Nauchno-issledovatel'skogo instituta plasticheskikh mass.

(SALINE WATERS-DEMINERALIZATION)
(ION-EXCHANGING SUBSTANCES)

SHITS, L.A.; ALEKSANDROVA, Ye.H.

Evaluation of the aggregate stability of synthetic latexes. Dokl. AN SSSR 142 no.2:413-415 Ja 162. (MIRA 15:2)

1. Moskovskiy khimiko-tekhnologicheskiy institut im. D.I. Mendeleyeva. Predstavleno akademikom P.A.Rebinderom. (Latex)

ALEKSANDROVA, Ye.M.; SHITS, L.A.; LOEACHEVA, S.P.

Effect of certain factors on the aggregative stability of polysterene latex. Lakokras.mat.i ikh prim. no.2:31-34 '62.

(MIRA 15:5)

(Latex--Testing)

SHITS, L.A.; TRAPEZNIKOV, A.A.

Structure-mechanical properties of the adsorption layers of some surface-active compounds at the interfacial boundaries of their aqueous solutions with air and styrene. Koll.zhur. 25 no.5:613-620 S-0 '63. (MIRA 16:10)

1. Institut fizicheskoy khimii AN SSSR i Moskovskiy khimiko-tekhnolo-gicheskiy institut.

5/020/63/148/003/034/037 B101/B186 Aleksandrova, Ye. M., Shits, L. A., Romm, I. P. AUTHORS: Effect of non-ionogenic, surface-active substances on the aggregative stability of polystyrol latex stabilized by sodium TITLE: oleate PERIODICAL: Akademiya nauk SSSR. Doklady, v. 148, no. 3, 1963, 637 - 640 TEXT: The study deals with the change in stability of polystyrol latex stabilized by 0.6 parts by weight of sodium oleate per 100 parts of monomer with addition of the following surface-active substances (SAS): $O\Pi$ -7 (OP-7), $-0(CH_2CH_2O)_nH$, R = C_{8-10} , R' = R or H, $n\approx7$, mean molecular weight (MW) = 531, dipole moment D = 3.50; O∏-10 (OP-10), ditto, n≈10, MW = 563, D = 4.41; $O\Pi = 20$ (OP=20), ditto, $n \approx 20$, MW = 1125, D = 5.36; oG=20 (OS=20), $R \cdot O(CH_2CH_2O)_nH$, $R = C_{16-18}$, $n \approx 20$, MM = 1185, D = 5.66; dispersing agent TB-80 (TV-80), Card 1/3

S/020/63/148/003/034/037 B101/B186

Effect of non-ionogenic...

n' + n" + n" \(\alpha 20\), \(\text{NN} = 1308\), \(D = 5.87\). The SAS were added either to a latex not saturated with sodium oleate or to a latex that contained an amount of sodium oleate such that its adsorption shells were fully occupied. The stability of latex was determined by measuring the time \(\tau\) after which coagulation set in between two coaxial cylinders during mixing. \(S' = \tau/\tau_0\) was calculated, where \(\tau\) is the coagulation time without SAS. With saturated latex, the SAS effected a sharp increase of \(S'\), even with admixtures of only \(\cdot 0.02\) mg-equ/g. With unsaturated latex, \(S'\) first fell stepwise; then it increased slowly with small additions, and sharply with large additions \((0.06 - 0.12\) mg-equ/g). As to their destabilizing effect, the SAS constitute the following order: \(TV-80 > 0S-20 > 0P-20 > 0P-10 > 0P-7\). In unsaturated latex, the SAS screens off the sodium oleate molecules or ions, thus deteriorating the protective effect of the monolayer. Further addition

Effect of non-ionogenic...

S/020/63/148/003/034/037 B101/B186

of SAS effects brittleness of the monolayer, causing the second drop of S. Not before a polymolecular adsorption layer has formed, S' increases; in saturated latex, S' rises immediately. There are 2 figures and 1 table. The English-language reference is: R. J. Orr, Rubber and Plast. Age, 41, no. 9, 971, 1027 (1960).

ASSOCIATION: Moskovskiy khimiko-tekhnologicheskiy institut im. D. I. Mendeleyeva (Moscow Institute of Chemical Technology imeni D. I. Mendeleyev)

PRESENTED: October 3, 1962, by P. A. Rebinder, Academician

SUBMITTED: September 10, 1962

Card 3/3

ALEKSANDROVA, Ye. M.; SHITS, L. A.

Structure of the protective adsorption films of synthetic latexes stabilized by sodium cleate. Koll. zhur. 24 no.6: 641-642 N-D 162. (MIRA 16:1)

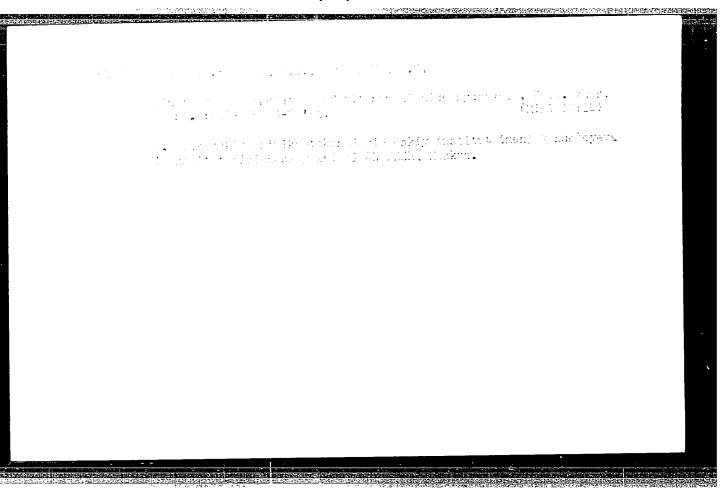
1. Moskovskiy khimiko-tekhnōlogicheskiy institut imeni D. I. Mendeleyeva.

(Rubber, Synthetic) (Protective coatings)
(Sodium oleate)

Some considerations on micelle formation in solutions of soaps. Koll. zhur. 26 no.3:397-398 My.-Je '64.

(MIRA 17:9)

1. Institut fizicheskoy khimii AN SSSR, Moskva.



PALEYEVA, Yevdokiya (g.Nakhodka); LESKOV, S.; SHITS, O. (s.Nizhnyaya
Omra, Komi ASSR)

Readers reply to Valia Mitiukova. Obshchestv.pit. no.4:30-31
Ap '61. (MIRA 14:3)

1. Zaveduyushchiy proizvodstvom stolovoy No.27, g.Khabarovsk (for Leskov). (Cooking schools)

KISELEV, Ya.; KAPUSTIN, K. (Chelyabinsk); SHITS, O., tekhnolog (Komi ASSR);
RADZHABLI, A. (Kirovabad)

Letters to the editor. Obshchestv. pit. no.6:40-41 Je '62.

(MIRA 15:9)

(Restaurants, lunchrooms, etc.)

SHIPOV, V.P.; SHITSER, S.S., retsensent; BEREZOVSKIY, A.I., retsensent; VASIL'YEVA, G.N., redaktor; KISINA, Ye.I., tekhnicheskiy redaktor.

[Planning work in enterprises of the meat industry; methods and techniques in working out a plan] Planirovanie truda na predpriiatiiakh miasnoi promyshlenosti; metodika i tekhnika raschetov plana.

Moskva, Pishchepromizdat, 1956. 73 p.

(MLRA 9:5)

ZHILENKO, R.M., inzhener; SHITSKOV, V.S., inzhener.

The BK-215 self mounting portable crane. Nev.tekh.i pered. ep. V

MIRA 9:7)

strei. 18 no.4:14-17 Ap '56.

(Cranes, derricks, etc.)

SHITSKOVA, A. P.

SHITSKOVA, A. P. -- "Investigation and Hygienic Evaluation of Ice Gream."
Sub 7 Oct 52, Central Inst for the Advanced Training of Physicians
(Dissertation for the Degree of Candidate in Medical Sciences.)

SO: Vechernaya Moskva January-December 1952

- 1. SHITSKOVA, A. P.
- 2, USSR (600)
- 4. Hygiene-Societies, Etc.
- 7. Scientific session of the Institutes of Hygiene and the Departments of Hygiene of Medical Institutes of the R. S. F. S. R. Gig. i san. Vol 17 no. 10, 1952.

9. Monthly List of Russian Accessions, Library of Congress, February 1953, Unclassified.

SHITSKOVA, A.P.

Evaluation of ice cream from the point of sanitation and hygiene.

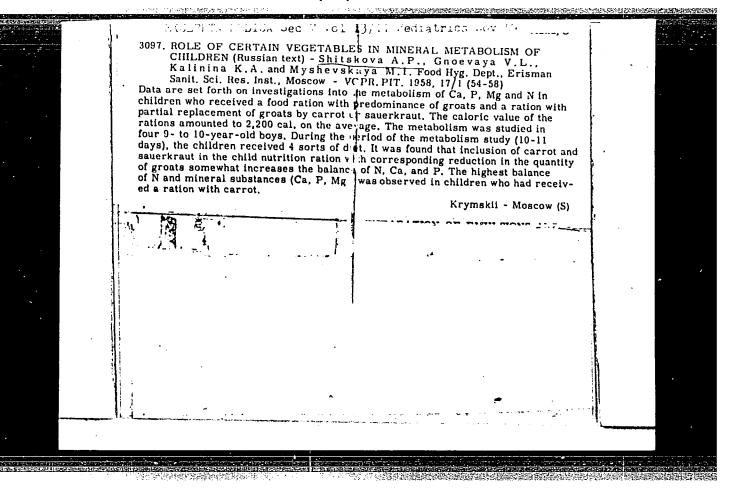
Gig.i san. no.1:39-43 Ja '54. (MLRA 6:12)

1. Is Nauchno-issledovatel'skogo sanitarnogo instituta im. Erismana, (Ice cream, ices, etc.)

SHITSKOVA, A.P.

Hygienic conditions of the workers' milk supply at Moscow's industrial enterprises. Vop.pit. 13 no.1:44 Ja-F '54. (MLRA 7:1)

1. Iz Nauchno-issledovatel'skogo sanitarnogo instituta im. F.F. Erismana.
(Milk)



SHITSKOVA, A.P., kand. med. mauk; KALININA, K.A., kand. khim. mauk

Influence of ultraviolet irradiation on mineral and nitrogen metabolism in adolescents. Gig. i san. 23 no.11:37-43 N '58 (MIRA 12:8)

1. Iz otdela pishchevoy gigiyeny Moskovskogo nauchno-issledovatel'skogo instituta sanitarii i gigiyeny imeni F. F. Erismana Ministerstva zdravookhraneniya RSFSR.

(ULTRAVIOLET RAYS—PHYSIOLOGICAL EFFECT) (METABOLISM) (MINERALS IN THE BODY)

ringers.	
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	editival nt the 19th 1994 of on Centress of Epsiemists, Beideniclocists Acrists, 1959.

SHITSKOVA, A.P.

Hygienic evaluation and proper management of nutrition in boarding schools. Uch. zap. Mosk. nauch.-issl. inst.san. i gig. no.2:46-49 *59 (MIRA 16:11)

l. Moskovskiy nauchno-issledovatel'skiy institut sanitarii i gigiyeny imeni F.F.Erismana.

*

SHITSKOVA, A.P., kand.meditsinskikh nauk

Diet and energy exchange in children in boarding schools. Gig. i san. 25 no.4:AlOA7 Ap '60. (MIRA 13:8)

1. Iz Moskovskogo nauchno-issledovatel'skogo instituta sanitarii i giglyeny im. F.F. Erismana Ministerstva zdravookhraneniya RSFSR. (SCHOOL CHILDREN—FOOD) (CALORIMETRY)

SHITSKOVA, A:P. Results of the working out of hygienic standards in the public health institutes of the R.S.R.S.R. in the 1959-1960 and the present status of their introduction into practice. Biul. Uch. (MIRA 14:10) med. sov. 2 no.4:10-17 Jl-Ag '61. (rUBLIC HEALTH)

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1. Iz Moskovskogo nauchno-issledovatel'skogo instituta gigiyeny imeni F.F. Erismana Ministerstva zdravookhraneniya RSFSR.

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[Problems of occupational pathology] Voprosy profpatologii. Moskva, Mosk. in-t gigieny. 1964. 231 p. (Its: Uchenye zapiski) (MIRA 18:12)

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[Sanitary and chemical control in the field of water reservoir protection] Sanitarno-khimicheskii kontrol' v oblasti ckhrany vodoemov. Moskva, 1964. 250 p.
(MIRA 18:4)

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MEL'KUMOVA, A.S., prof.; RUMYANTSEV, G.I., st. nauchn. sotr.; SHITSKOVA, A.F., otv. red.

[Vibration sickness in concreters and measures for its control; manual for occupational disease specialists, neuropathologists, hygienists, and physicians of polyclinics and medical and public health centers] Vibratsionnaia bolezn' betonshchikov i mery bor'by s neiu; posobie dlia profpatologov, nevropatologov, vrachei-gigienistov, vrachei poliklinik i mediko-sanitarnykh chastei. Moskva, Mosk. nauchno-issl. in-t gigieny, 1965. 102 p. (MIRA 18:10)

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SHITSKOVA, V.V., kand. med. nauk; BOLKOVAYA, M.A.

Vacciniform pustulesis in early childhood. Sov. med. 27 no.11:56-60 N '64. (MIRA 18:7)

1. Kafedra gospital'noy pediatrii (ispolnyayushchiy obyazannosti zaveduyushchego - prof. K.F.Sokolova) II Moskovskogo meditsinskogo instituta imeni Pirogova i Detskaya bol'nitsa No.13 imeni Filatova (glavnyy vrach L.A.Vorokhobov), Moskva.

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Characteristics of the course of staphylococcal pneumonia in carry childhood. Sev. med. 28 nc.7:62-67 JL *64. (MIRA 18:8)

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SHITSKOVA-MARTYNKINA, V.V., kand.med.nauk, PETROVA, R.F.

Clinical aspects of acute diffuse glomerulonephritis in children.
Vop.okh.mat. i det. 3 no.5:11-18 S-0 '58 (MIRA 11:11)

1. Iz kafedry gospital'noy pediatrii (zav. - prof. K.F. Popov)

II Moskovskogo gosudarstvennogo meditsinskogo instituta imeni

N.I. Pirogova i detskoy klinicheskoy bol'nitsy imeni I.V. Rusakova
(glavnyy vrach V.A. Kruzhkov, nauchnyy rukovoditel' - orof. M.A.
Bubnova).

(KIDNEYS--DISEASES)
(CHILDREN--DISEASES)

SHITSKOVA -MARTYNKINA, V.V., kand.med.nauk

Eosinophil disease in children. Pediatriia no.2:70-83 '62.

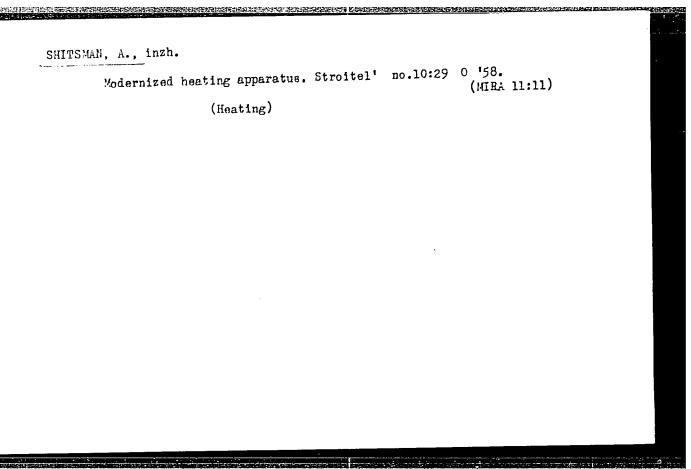
(MIRA 15:3)

1. Iz kafedry gospital'noy pediatrii (zav. - prof. K.F. Pipov)

II Moskovskogo meditsinskogo instituta imeni N.I. Pirogova (dir. - dotsent M.G. Sirotkina).

(EOSINOPHILES)

(CHILDREN--DISEASES)



ALL NIII APGOZIUSU

SOURCE CODE: UR/0413/66/000/010/0078/0078

INVENTOR: Moskver, K. B.; Zayd, E. G.; Shirokov, S. S.; Shitsman, A. S.; Neusypina, N. I.

ORG: None

TITLE: A three-way gyroscopic float device. Class 42, No. 182346

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 11, 1966, 78

TOPIC TAGS: gyroscope system, gyroscope suspension

ABSTRACT: This Author's Certificate introduces a three-way gyroscopic float device consisting of a gyro unit fastened to an elastic torsional support and suspended in a liquid. Provision is made for balancing the instrument after final adjustment by equipping the gyro unit with balancing weights which may be moved with respect to its center of gravity along coordinate axies by adjustment wreaches. These wrenches are fastened in the housing of the device by hermetic couplings which permit reciprocating and rotary motion.

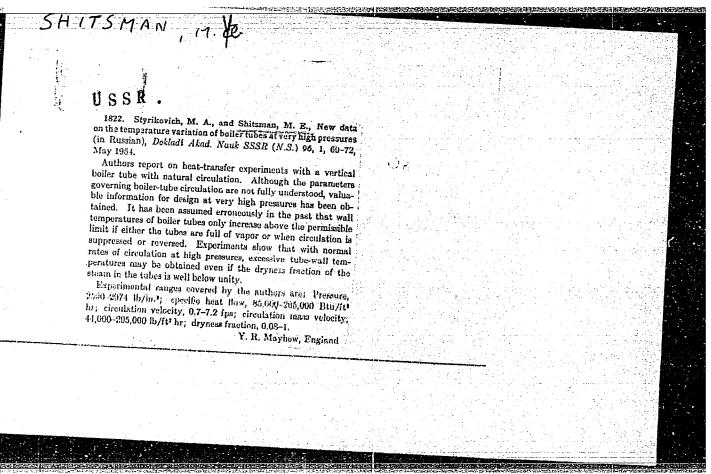
SUB CODE: /J/ SUBM DATE; 030ct63

UDC; 621-752.4

SHITSHAN, H. Ye.

"Investigation of the Effects of Pressure and Vapor Content on the Magnitude of Critical Heat Flow in a Vertical Pipe at Natural Circulation." Sub 14 Jun 51, Power Engineering Inst imeni G. M. Krzhizhanovskiy

Dissertations presented for science and engineering degrees in Foscow during 1951. Sum. No. 400, 9 May 55



SOV/124-57-3-3203

THE REPORT OF THE PROPERTY OF

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 3, p 80 (USSR)

AUTHORS: Styrikovich, M. A., Shitsman, M. Ye.

TITLE: An Investigation of the Temperature Conditions in the Operation of a Vertical Boiling Tube Under Superhigh Pressures (Issledovaniye

temperaturnogo rezhima raboty vertikal'noy kipyatil'noy truby pri

sverkhvysokikh davleniyakh)

PERIODICAL: V sb.: Gidrodinamika i teploobmen pri kipenii v kotlakh vysokogo

davleniya. Moscow, AN SSSR, 1955, pp 206-228

ABSTRACT: The paper adduces the results of an experimental investigation of

the temperature regime of a vertical boiling tube 30 mm in diameter. The experiments were conducted on a stand with pressures of 182-209 atm abs, a specific heat flux of 230-720,000 kcal/m²/hr,

circulation velocities from 0.2 to 2.2 m/sec, and gravimetric steam content from 8 to 100%. It is established that a considerable range of intermediate regimes exists within the zone of pressures and circulation parameters investigated, during which regimes, in

proportion as the steam content increases, the intensity of the heat

Card 1/2 transfer gradually decreases from the values corresponding to a

SOV/124-57-3-3203

An Investigation of the Temperature Conditions (cont.)

normal nucleate boiling to the values which correspond to the heat transfer to dry saturated steam. The authors point out that with specific heat fluxes of the order of $400-450,000~\rm kcal/m^2/hr$ a decrease in the circulation velocity to $0.4-0.5~\rm m/s$ sec and of the circulation multiplicity to $2.0-2.5~\rm m$ lead to damage to the steam pipes of boilers operating at superhigh pressures.

Z. L. Miropol'skiy

Card 2/2

4.5 Subject

AID P - 4081

: USSR/Power Eng.

Card 1/1

Pub. 110-a - 6/14

Authors

Styrikovich, M. A., Corr. Memb., Academy of Sciences, USSR, M. E. Shitsman, and Z. L. Miropoliskiy, Kand. Tech. Sci. Power Institute, Academy of Sciences.

Title

Some data on temperature changes in a vertical boiling conduit at near-critical pressures.

Periodical

: Teploenergetika, 12, 32-36, D 1955

Abstract

Tests with vertical boiling pipes at different pressures and various flue temperatures are explained. Some

temperature changes in the pipe walls were noticed, which seemingly have considerable importance for establishing conditions of normal performance of vaporating-surfaces of super-high pressure boilers. Seven diagrams. Three

Russian references, 1951-1952.

Institution:

None

Submitted

: No date

SHIRMAN, M. YE.

AUTHORS:

Miropoliskiy, Z. L., Shitsman, M. Ye.

57-10-23/33

PITLE:

Heat bassion to Water and Steam at Variable Heat Capacity(Near the Critical Region) (Teplootdacha k vode i paru pri peremennoy teployemkosti(v okolo-kriticheskoy oblasti)

PERTODICAL:

Zhurnal Tekhn. Fiz., 1957, Vol. 27, Nr 10, pp. 2359-2372 (USBR)

ABSTRACT:

The results of investigations of the local coefficients of a heat emission to not boiling water and to overheated steam at pressures of from 4 to 280 at are given. In this investigation where the water and the steam moved within a pipe in a turbulent ourrent distribution following was noticed in the regions of suband overcritical pressures: 1) The application of the known formula for the computation of the heat emission to not boiling water or to overheated steam cannot give satisfying results for those temperature regions where the values of the Pr- figure change in connection with the variation of the specific heat of the medium. 2) A formula is given here for the computation of the local values of the coefficient of the heat emission to water and steam within the above mentioned limits of the parameter variation. This contains the known figures: Nu, Re, and Pr. The mean current temperature is assumed as the determining temperature for the computation of Nu and Re. In the computation of Pr the determining temperature is assumed to be equal to either the

Card 1/2

MIROPOL'SKIY, Z.L., kand. tekhn. nauk; SHITSMAN, M.Ye., kand. tekhn. nauk.

Methods of calculating heat transfer to water and steam in the near-critical range. Energomachinostroenie 4 no.1:8-11 Ja '58.

(Heat--Transmission) (MIRA 11:1)

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Tububenkory, H.i. Investigation of the Structure of an Axially- Provided Supersonic Stream in a Vacuum Destry_G.P. Conditions for Representing Reating Systems With Flace Birning of Purl MirropilyMity_L.L., M.A. Styrikovich, K. Ye., Shitzann, Beat Trans- Mission in Desausgeneralized Tubes at High Pressures Mission in Stream of Uncoupressed Liquid in the Presence of a Positive Pressure, Continue Of the Openions and of	Omnoltors of Interesting Inverter Sublisty Ocushkin, V.I., M.S. Libkind, Corners Sublisty O.K. Krahishnovsky O.K. Krahishnovsky O.K. Krahishnovsky Of Cas-liquio Mixtures in fertical Table Of Cas-liquio Mixtures in fertical Table Corpressed Gas Around a Flat Flate On Subject of the Power Registering Autistic Inches Significant Company Of Cas-liquio Mixtures of Registering to the Normant Compressed Gas Around a Flat Flate	Corpubits, F.L. Effect of Foreing and Regulating Excitation on the Description of the Lity of Long-Director Transmissions 262 Matriability of Long-Director Transmissions 262 Matriability v.M. On the Insufficiency of the Method of the Equivalent Vita Scali Disturbances 262 Matriability for the Insufficiency of Stability of Electric Transmission 269 Extensive Light Scaling Villa Scaling Regulation of Electration 269 Multi-unit Station Villa Ströng Regulation of Electration 270 Matriability of 271	Lister Law, 1.K. Death and A.C. Adoyan Meetrification of Field Crop Cultivation in U. 1833 Mary Balance of an Electric 208 herborich, 1.K. Drestigation of the Kerry Balance of an Electric 208 herborich, 1.K., 5.A. Soralow, Extremely Long-Distance Transmissions of Libinal, M.S. Static Condenses for Transmissions of 239 Libinal, M.S. Static Condenses for Transmissions of 229 Libinal, M.S. Static Condenses for Transmissions.	COTTRICES: The collection contains sixty articles by former students and overthers of the deceased Academician. The articles deal with problems of wide range of subjects in the fall of power engineering problems of the redicest development of electrical and thermal power engineering technology, and the princip of consulting problems power engineering technology, and the princip of consulting. He perconalities are mentioned, References are given after most articles. Ritheylor, LL. Bose Special Features of Postmar Development in 167 Exhault, A.C. Wethods of Distribuing Technical-Economic Indices of Ritheylor, L.L. The Frescut State and Prospects of Future these of	Problems congretati; abornik poerynabiluyetsys skademitu O.M. Ershichanov (Problems of Freet Engineering) Collection of Articles Dedicated to Academica O.M. Ershichanovskiy) boscov, 1959. 81 p. Ersta slip inserted. Bis. of Tablishing House; B.D. Astruahin, F.Y. Dabbor, F.I. Enblow, and S.M. Krythess; Tech. Ed.; T.A. Fruskiers; Elifortial Boarti A.Y. Inter, Lademy of Sciences Ubille, V.I. Poptor (Resp. El.) Corresponding Robert, A.A. Stricter, A.A. Stricter, Candidates of Technical Sciences, B.E. Ecolor, Candidates of Technical Sciences, R.K. Enlow, and L.S. Bondiner, Candidates of Technical Sciences, R.K. Enlow, and L.S. Bondiner, Candidates of Technical Sciences, R.K. Enlow, and L.S. Bondiner, Candidates of Technical Sciences, R.K. Enlow, and L.S. Bondiner, Candidates of Technical Sciences, R.K. Enlow, and L.S. Bondiner, Candidates of Technical Sciences, REPOLICE: This collection of articles is intended as a tribute to the sectory of Academician O.M. Eristikanovskiy.	FEAGE I BOOK EXPLOIMATION SOF/JACT Abademiya namk SSUL Energeticbeskly institut in. G.M. E-minimoratoro
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SHITSMAN, M.Ye., kand.tekhn.nauk

Heat transfer to water, oxygen, and carbon dioxide in the almost critical region [with summary in English]. Teploenergetika 6 no.1:68-72 Ja '59. (MIRA 12:1)

1. Energeticheskiy institut AN SSSR. (Heat--Transmission)

在中心的特别的企业也是是是是国家的证明,这个人可以是是 Donnessed Telegraph

MIROPOL'SKIY, Z.L., kand.tekhn.nauk; SHITSMAN, M.Ye., kand.tekhn.nauk; MOSTINSKIY, I.L., inzh.; STAVROVSKIY, A.A., inzh.

Effect of inlet conditions on the critical thermal flows during the boiling of water in pipes [with summery in English].

Teploenergetika 6 no.1:80-83 Ja '59. (MIRA 12:1)

1. Energeticheskiy institut AN SSSR.
(Steampipes) (Thermodynamics)

STYRIKOVICH, M.A.; MIROPOL'SKIY, Z.L., kand.tekhn.nauk; SHITSMAN, M.Ye., kand.tekhn.nauk; MOSTINSKIY, I.L., inzh.; STAVROVSKIY, A.A., inzh.; FAKTOROVICH, L.Ye., inzh.

Effect of superimposed elements on the setting up of boiling crisis in the steam genera ing pipes. Teploenergetika 7 no.5:81-88 My '60. (MIRA 13:8)

1. Energeticheskiy institut AN SSSR. 2. Chlen-korrespondent AN SSSR (for Styrikovich).

(Heat--Radiation and absorption) (Boilers)